

POSTDOCTORAL POSITIONS IN PLASMA RESEARCH AT THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

Postdoctoral Research Associateships are available in 2004 to qualified applicants for research in the Process Measurements Division at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland. These positions are awarded following competitive evaluations of applicants under a program administered by the National Research Council (NRC). The applicant must submit an original research proposal related to a specific research opportunity at NIST, which is of common interest to the applicant and NIST advisor.

Plasma research opportunities at NIST include:

- Optical and other diagnostic measurements of low temperature rf discharges used for plasma processing of semiconductors
- Novel electrical sensors for plasma process monitoring and control
- Surface measurements related to plasma processing
- Discharge modeling

Available equipment includes two inductively-coupled high density reactors, a parallel-plate plasma reactor, Nd:YAG lasers, tunable dye lasers, additional lasers, an intensified CCD camera, an optical spectrometer with CCD, Langmuir probes, other electrical probes, mass spectrometers, and computer workstations.

The NRC-NIST Postdoctoral Program provides successful applicants with a stimulating research opportunity at a major government laboratory located 25 miles from Washington, DC. The NRC-NIST postdoctoral program is open only to U.S. citizens. The annual base salary for a NIST Postdoctoral Associate is \$55,700. The deadline for completed applications with proposal is February 1, 2004. Appointments will begin between July 2004 and January 2005.

If you would like more information about our projects, equipment capabilities or application procedures, please contact:

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